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An Interest Group of the Royal Society of Chemistry  
Charity Registration No. 207890

## NMR Discussion Group Christmas Meeting

Date of meeting: Tuesday 16<sup>th</sup> December 2014

Meeting venue: Institute of Child health  
30, Guilford Street  
London WC1N 1EH

Dear Member,

One of the principal objectives of the NMR Discussion Group is to provide a forum for educating, sharing ideas and promoting recent developments in NMR and related disciplines. The group continues to provide such opportunities for scientists that work in many different areas associated with magnetic resonance. This is achieved through, in addition to other means, the popular Christmas meeting.

The forthcoming Christmas meeting comprises presentations covering a range of subjects, including recent developments in small molecule characterization, metabolic phenotyping, analysis of pharmaceutical products and the continually developing discipline of solid-state characterisation. It is intended that the presentations will be of interest to the majority of spectroscopists of differing backgrounds, either through direct relevance or through potential applicability. An agenda is attached for your information.

The meeting will take place on Tuesday 16<sup>th</sup> December at the easily accessed Institute of Child Health, London.

A map of the venue for the NMRDG meeting is shown below, with an arrow indicating the location of the main building. Alternatively, a map of the location can be found at:

<http://www.streetmap.co.uk/newmap.srf?x=530518&y=182154&z=0&sv=wc1n+1eh&st=2&pc=wc1n+1eh&mapp=newmap.srf&searchp=newsearch.srf>

The Institute of Child Health is within 10 minutes walk of Euston, King's Cross and St Pancras main line stations. Russell Square on the Piccadilly line (dark blue) and Holborn on the Piccadilly and Central lines (red) are the nearest underground stations, and are within walking distance.

If you would like to attend please complete the on-line registration form via the link available on <http://www.nmrdg.org.uk/>:

Registration will close on **Friday 5<sup>th</sup> December** and the standard fee is £45.00. However, if you are a student or retiree, then a concessionary rate of £25 will apply.

The BRSG will be hosting a Christmas meeting on Monday 15<sup>th</sup> December at the Institute of Physics, London and further details will become available using the link [www.iop.org/conferences](http://www.iop.org/conferences).

Yours sincerely,

Prof. Gareth Morris – NMR DG Chairperson  
Dr Stephen Byard - NMR DG Secretary



# NMR Discussion Group Christmas 2014 Meeting

Tuesday 16<sup>th</sup> December 2014

**Institute of Child Health, 30 Guilford Street, London WC1N 1EH**

***Morning session chair:***

- 10.00 – 10.25 Registration and refreshments
- 10.25 – 10.30 Introduction and welcome
- 10.30 – 11.10 **Patrick Giraudeau, *L'Université de Nantes***  
Ultrafast 2D NMR and hybrid spatio-temporal encoding: recent developments and applications in analytical chemistry
- 11.10 – 11.45 **John Lindon, *Imperial College, London***  
NMR spectroscopy for metabolic phenotyping: addressing challenges in personalised medicine
- 11.45 – 12.10 **Ikenna Ndukwe, *University of Bristol***  
Sensitivity and resolution enhancement in EXSIDE and band selective EXSIDE
- 12.10 – 12.45 **Poul Erik Hansen, *University of Roskilde***  
What light can do: a hyphenated laser-NMR study
- 12.45 – 14.00 Buffet Lunch

***Afternoon session chair:***

- 13.55 – 14.10 NMRDG Business
- 14.10 – 14.50 **Lyndon Emsley, *Ecole Normale Supérieure de Lyon***  
MR at ultra-high field (7T): opportunities and challenges
- 14.50 – 15.15 **Habeeba Miah, *University of Nottingham***  
Measuring proton shift tensors using ultra-fast magic angle spinning
- 15.15 – 15.50 **Gavin Morley, *University of Warwick***  
Coupled electron and nuclear spins in silicon for quantum technologies  
*BRSB - NMR DG prize winner for excellent contribution to magnetic resonance*
- 15.50 – 16.25 **Andrew Phillips, *AstraZeneca***  
NMR: a new tool for understanding dissolution of pharmaceutical products
- 16.25 – 16.30 Closing remarks
- 16.30 - Refreshments and departure
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